

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
SALKINS.044AAPPLICATION NO.
10/032,047

RECEIVED

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Kaspar et al.FILING DATE
December 21, 2001GROUP
Unknown

JUN 13 2002

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
SDP	1.	4,995,892	09/11/90	Daniloff	606	152	
✓	2.	5,092,871	03/03/92	Aebischer et al.	606	152	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
SDP	3.	Aebischer & Ridet, Recombinant Proteins for Neurodegenerative Diseases: The Delivery Issue, Trends Neurosciences, 2001 24(9):533-40
✓	4.	Antonawich et al., BCL-2 Transduction, Using a Herpes Simplex Virus Amplicon, Protects Hippocampal Neurons from Transient Global Ischemia, Academic Press, Experimental Neurology 156, 130-137 (1999)
✓	5.	Bartlett et al., Infectious Entry Pathway of Adeno-Associated Virus and Adeno-Associated Virus Vectors, Journal of Virology, Mar. 2000, p. 2777-2785
✓	6.	Bartlett et al., Selective and Rapid Uptake of Adeno-Associated Virus Type 2 in Brain, Human Gene Therapy 9:1181-1186 (May 20, 1998)
✓	7.	Blomer et al., BCL-XL Protects Adult Septal Cholinergic Neurons from Axotomized Cell Death, Proc. Natl. Acad. Sci. USA Vol. 95, pp. 2603-2608, March 1998
✓	8.	Calamandrei and Alleva, Neuronal Growth Factors, Neurotrophins and Memory Deficiency, Behav Brain Res 1995 Jan 23;66(1-2):129-32
✓	9.	Carver and Barness, Trophic Factors for the Gastrointestinal Tract, Clin Perinatol (1996) 23(2):265-85
✓	10.	Chamberlin et al., Recombinant Adeno-Associated Virus Vector: Use for Transgene Expression and Anterograde Tract Tracing in the CNS, Brain Research 793:174 (1998) Duplicate citation
✓	11.	Cleveland et al., From Charcot to SOD1: Mechanisms of Selective Motor Neuron Death in ALS, Neuron, Vol. 24, 515-520, November, 1999
✓	12.	DeFalco et al., Virus-Assisted Mapping of Neural Inputs to a Feeding Center in the Hypothalamus, Science 291:2608-2613 (March 2001)
✓	13.	Dolorfo & Amaral, Entorhinal Cortex of the Rat: Topographic Organization of the Cells of Origin of the Perforant Path Projection to the Dentate Gyrus, The Journal of Comparative Neurology 398:25-48 (1998)
✓	14.	Duvoisin, Roger C., Overview of Parkinson's Disease, Annals New York Academy of Sciences, pp. 187-193
✓	15.	Fawcett J.W., Spinal Cord repair: From Experimental Models to Human Application, Spinal Cord (1998) 36(12):811-7
✓	16.	Gomez-Isla et al., Profound Loss of Layer II Entorhinal Cortex Neurons Occurs in Very Mild Alzheimer's Disease, The Journal of Neuroscience, July 15, 1996, 16(14):4491-4500
✓	17.	Gonzalez-Garcia, BXL-X is Expressed in Embryonic and Postnatal Neural Tissues and Functions to Prevent Neuronal Cell Death, Proc. Natl. Acad. Sci, USA, Vol. 92, pp. 4304-4308, May 1995
✓	18.	Hefli et al., Development of Neurotrophic Factor Therapy for Alzheimer's Disease, Ciba Found Symp. (1996)196:54-69
✓	19.	Kaplitt et al., Long-Term Gene Expression and Phenotypic Correction Using Adeno-Associated Virus Vectors in the Mammalian Brain, Nature Genetics, Volume 8, October 1994 Duplicate citation

EXAMINER

Scott D. Pribe

DATE CONSIDERED

10/22/03

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
SALKINS.044AAPPLICATION NO.
10/032,047**RECEIVED**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Kaspar et al.

JUN 13 2002

FILING DATE
December 21, 2001GROUP 1/632 TECH CENTER 1600/2900
Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
SDP	20. Kishi & Cowan, A Quantitative EM Autoradiographic Study of the Commissural and Associational Connections of the Dentate Gyrus in the Rat, <i>Anat. Embryol.</i> 160, 173-186 (1980)
	21. Koliatsos V.E., Biological Therapies for Alzheimer's Disease: Focus on Trophic Factors, <i>Crit Rev Neurobiol</i> (1996) 10(2):205-38
	22. Latchman & Coffin, Viral Vectors for Gene Therapy in Parkinson's Disease, <i>Rev Neurosci.</i> (2001) 12(1):69-78
	23. Monahan & Samulski, AAV Vectors: is Clinical Success on the Horizon?, <i>Gene Therapy</i> (2000) 7, 24-30
	24. Monahan & Samulski, Adeno-Associated Virus Vectors for Gene Therapy: More Pros than Cons?, <i>Mol Med Today.</i> (2000) 6(11):433-40
	25. Offen et al., Apoptosis as a General Cell Death Pathway in Neurodegenerative Diseases, <i>J Neural Transm Suppl.</i> (2000) 58:153-66
	26. Peterson et al., Central Neuronal Loss and Behavioral Impairment in Mice Lacking Neurotrophin Receptor p75, <i>The Journal of Comparative Neurology</i> 404:1-20 (1999)
	27. Qing et al., Human Fibroblast Growth Factor Receptor 1 is a Co-Receptor for Infection by Adeno-Associated Virus 2, <i>Nature Medicine</i> , Volume 5, Number 1, pp. 71-77, January 1999
	28. Senut et al., Intraneuronal Aggregate Formation and Cell Death after Viral Expression of Expanded Polyglutamine Tracts in the Adult Rat Brain, <i>J Neurosci.</i> 2000 Jan 1; 0(1):219-229
	29. Smith-Arica & Bartlett, Gene Therapy: Recombinant Adeno-Associated Virus Vectors, <i>Curr Cardiol Rep.</i> (2001) 3(1):43-9
	30. Snyder, et al. Effective and Stable Adeno-Associated Virus-Mediated Transduction in the Skeletal Muscle of Adult Immunocompetent Mice, <i>Hum Gene Ther.</i> 1997 Nov 1; 8(16):1891-900
	31. Summerford et al., $\alpha V\beta 5$ Integrin: a Co-Receptor for Adeno-Associated Virus Type 2 Infection, <i>Nature Medicine</i> , Volume 5, Number 1, pp. 78-82, January 1999
	32. Terenghi G., Peripheral Nerve Regeneration and Neurotrophic Factors, <i>J Anat</i> (1999) 194 (Pt 1):1-14
	33. Yamada et al., Herpes Simplex Virus Vector-Mediated Expression of BCL-2 Prevents 6-Hydroxydopamine-Induced Degeneration of Neurons in the Substantia Nigra <i>in Vivo</i> , <i>Proc. Natl. Acad. Sci.</i> , Vol. 96, pp. 4078-4083, March 1999
	34. Yuen EC, The Role of Neurotrophic Factors in Disorders of Peripheral Nerves and Motor Neurons, <i>Phys Med Rehabil Clin N Am.</i> (2001) 12(2):293-306, viii
	35. Yuen et al., Therapeutic Potential of Neurotrophic Factors for Neurological Disorders, <i>Am. Neurol.</i> (1996) 40(3):346-54
	36. Xiao et al., Production of High-Titer Recombinant Adeno-Associated Virus Vectors in the Absence of Helper Adenovirus, <i>Journal of Virology</i> , Mar. 1998, p. 2224-2232
	37. Xiao et al., Gene Transfer by Adeno-Associated Virus Vectors into the Central Nervous System, <i>Experimental Neurology</i> 144, 113-124 (1997)

S:\DOCS\REC\REC-6599.DOC\052802

EXAMINER

Scott D. Smith

DATE CONSIDERED

10/22/03

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
SALKINS.044A

APPLICATION NO.
10/032,047

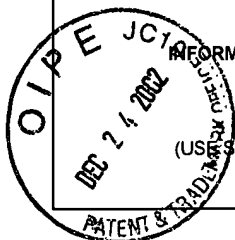
**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Kaspar, et al.

FILING DATE
December 21, 2001

GROUP
1632



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

RECEIVED

DEC 30 2002

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

SDP	1	Peel, et al. 2000. Adeno-associated virus vectors: Activity and applications in the CNS. <i>Journal of Neuroscience Methods</i> , 98:95-104.

S:\DOCS\JLH\JLH-1695.DOC:dmb
121702

EXAMINER

Scott D. Priebe

DATE CONSIDERED

10/21/03

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
SALKINS.044AAPPLICATION NO.
10/032,047INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Kaspar et al.FILING DATE
12/21/01GROUP ¹⁶³²
~~1051~~

RECEIVED

JUL 02 2003

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

SDF ↓	1	Mellecamp, S. et al. Synaptic Sprouting Increases the Uptake Capacities of Motoneurons in Amyotrophic Lateral Sclerosis Mice. <i>Proced. Nat. Acad. Sci.</i> 19 June 2001, Vol. 98, No. 13, pages 7582-7587.
	2	Chamberlin, N. L. et al. Recombinant Adeno-Associated Virus Vector: Use for Transgene Expression and Anterograde Tract Tracing in the CNS. <i>Brain Research.</i> 1998, Vol. 793, pages 169-175.
	3	Bjorklund, A. et al. Towards a Neuroprotective Gene Therapy for Parkinson's disease: Use of Adenovirus, AAV and Lentivirus Vectors for Gene Transfer of GDNF to the Nigrostriatal System in the Rat Parkinson Model. <i>Brain Research.</i> 2000, Vol. 886, pages 82-98.
	4	Kaplitt, M. G. et al. Long-Term Gene Expression and Phenotypic Correction Using Adeno-Associated Virus Vectors in the Mammalian Brain. <i>Nature Genetics.</i> October 1994, Vol. 8, pages 148-154.
	5	Skorupa, A. F. et al. Sustained Production of Beta-Glucuronidase from Localized Sites After AAV Vector Gene Transfer Results in Widespread Distribution of Enzyme and Reversal of Lysosomal Storage Lesions in a Large Volume of Brain in Mucopolysaccharidosis VII Mice. <i>Experimental Neurology.</i> 1999, Vol. 160, pages 17-27.

S:\DOCS\JLH\JLH-2062.DOC\062503

EXAMINER <i>Scott D. Pribe</i>	DATE CONSIDERED <i>10/22/03</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	